

Pick, W. H.

Notes on ground day visibility at Cranwell, Lincolnshire, during the period Feb. 1 to Apr. 8 (inclusive), 1920. London. 1920. 9 p. 24 cm. [Great Britain. Meteorological office. Professional notes no. 11.]

Rouch, Jules.

Préparation météorologique des voyages aériens. Paris. 1920. 57 p. 24 cm.

Rudge, W. A. Douglas.

Daily range of the atmospheric potential gradient at Bloemfontein, and the influence of dust storms. Cape Town. 1914. p. 75-87. 25 $\frac{1}{2}$ cm. [Excerpted from Transactions of the Royal society of South Africa. vol. 4, pt. 1.]

Shaw, Sir Napier.

Report on high angle practice, to determine the wind at various heights for comparison with simultaneous determinations by pilot balloon ascents: carried out at firing ground of H. M. S. "Excellent," 25th and 26th of April, 1917. London. 1919. 4 p. 1 folded chart. 24 cm. (Great Britain. Advisory committee for aeronautics. Reports and memoranda, no. 499. May, 1917.)

Strakosch-Grassmann, Gustav.

Ernteaussichten von 1919 bis 1923 und die Bedeutung klimatischer Perioden für Geschichte und Landwirtschaft. Wien. 1919. 466 p. 22 cm.

Sutton, J. R.

Barometric variability at Kimberly and elsewhere. Cape Town. 1914. p. 105-121. 25 $\frac{1}{2}$ cm. [Excerpted from Transactions of the Royal society of South Africa. vol. 4, pt. 2.]

Taylor, Griffith.

Australian meteorology. A text-book including sections on aviation and climatology. Oxford. 1920. 312 p. 22 cm.

Taylor, G[eoffrey] I[ngram].

Phenomena connected with turbulence in the lower atmosphere. London. [n. d.] 13 p. 24 cm. (Great Britain. Advisory committee for aeronautics. Reports and memoranda, no. 304. Dec., 1916.)

Turpin, H. W.

Carbon dioxide of the soil air. Ithaca, N. Y. 1920. p. 319-362. (Cornell University. Agricultural exper. station memoir 32.)

Zierl, Hermann.

Beiträge zum photochemischen Klima der Zugspitze. Munich. 1919. 19 p. 33 cm. (Sonderabdruck aus dem Deutschen meteorologischen Jahrbuch für Bayern 1919.)

RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. F. TALMAN, Professor in Charge of Library.

The following titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

Annalen der Hydrographie und maritimen Meteorologie. Berlin. 48. Jahrgang. Heft 7. 1920.

Ryd, V. H. Die Reibung in der Atmosphäre. p. 286-293.

Annalen der Physik. Leipzig. Band 62. no. 11. 1920.

Gockel, A. Beiträge zur Kenntnis von Farbe und Polarisation des Himmelslichtes. 1. Die Polarisation in Farben. p. 283-292.

Annales de géographie. Paris. v. 29. 15 juil., 1920.

Camena d'Almeida, P. Les saisons dans le climat de la Russie d'Europe. p. 280-300.

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France. Académie des sciences. *Comptes rendus.* Tome 171. 2 août, 1920.

Zeil, G. Les tremblements de terre tectoniques et les variations de la latitude. p. 311-313. [Abstract in this Review, p. 469-470.] Great Britain. Meteorological office. *Monthly meteorological charts East Indian seas.*

Harries, Hy. Gales and cyclones of the Indian monsoons. Development of the monsoon conditions. May, 1920.

Harries, Hy. Some local winds of the East Indian seas. June, 1920.

Great Britain. Meteorological office. *Monthly meteorological charts North Atlantic ocean.*

Howard, A. G. W. Ice in the Atlantic: its origin and drift. Feb., 1920.

Howard, A. G. W. Marine meteorology. History and methods. Apr., 1920.

Smith, L. A. Brooke-. Wireless telegraphy and weather at sea. May, 1920.

Smith, L. A. Brooke-. Wireless telegraphy and weather at sea. Weather charts and how they may be constructed by navigators and used for forecasting. Sept., 1920.

Harvard college. Astronomical observatory. *Annals.* Cambridge, Mass. v. 83, pt. 4. 1919.

McAdie, Alexander. Quick method of measuring cloud heights and velocities. p. 162-168. [By means of an original dew-point formula with a variable constant, and nephoscope.]

McAdie, Alexander. Uniformity in aerographic notation. p. 169-177.

International institute of agriculture. *International review of the science and practice of agriculture.* Rome. Year 10. Mar., 1919.

Catran, F. Agricultural weather conditions on the south coast of San Domingo. p. 252-253. [Abstract from *Revista de agricultura, San Domingo.*]

Marcarelli, B. Injurious effect of low temperature and mist on the development of rice as connected with the propagation of weeds, in the Vercelli district, Piedmont, Italy. p. 256-258. [Abstract from *Giornale di risicoltura.*]

Vieules, G. Effect of cold, wind, and rust on various wheats, in France. p. 254-256. [Abstract from *Revue internationale de génétique.*]

Meteorological magazine. London. v. 55. Aug., 1920.

Dimensions of a waterspout. p. 152. [4,600 ft. in height, tapering from 500 ft. in diameter at the top to 150 ft. at the sea surface.]

Pick, William H. Visibility on cloudy nights. p. 137-139. [Bunsen grease spot photometer calibrated in accordance with the visibility scale.]

Nature. London. v. 105. 1920.

B., W. W. Long-range forecasting in Java. p. 729-730. (Aug. 5.) [Review of memoir by Braak.] [Reprinted in Mo. Weather Rev., July, 1920, 48:414-415.]

Gregory, J. W. Meteorological influences of the sun and the Atlantic. p. 715-716. (Aug. 5.) [Review of work by Helland-Hansen and Nansen.] [Reprinted p. 465-466, above.]

Ackermann, Alfred S. E. Curious formation of ice. p. 741. (Aug. 12.)

Gold, E. Aerial navigation and meteorology. p. 775-776. (Aug. 19.) [Discusses merits of weather code of Annex G of the Convention for international air navigation.]

Lockyer, Sir Norman. Sir Norman Lockyer, K. C. B., F. R. S. p. 781-784. (Aug. 19.) [Obituary.]

Nature. Paris. 48 année. 1920.

Arc-en-ciel sur un arbre. p. 42. (7 août.)

Liurette, H. Le vol à voile. p. 109-112. (14 août.) [Soaring flight.]

Troller, A. L'électricité atmosphérique. p. 99-103. (14 août.) [Abstract of paper by Swann.]

Physical review. Lancaster. v. 16. Aug., 1920.

Blackwood, Oswald. Existence of homogeneous groups of large ions. p. 85-101.

Zeitschrift für Balneologie. Berlin-Wien. 12. Jahrgang. 1 März, 1920.

Kionka, H. Klimatologisches über die Thüringer Waldkurorte. p. 93-100.